

ABSTRACT OF THE DISCLOSURE

A dual-motor drum-type washing machine achieves a dual-drum motion effect using pair of separately dedicated motors, i.e., a washing motor and a dewatering motor, which are controlled to perform washing and dewatering, respectively, instead of controlling a single motor commonly used for both operations. The dual-motor drum-type washing machine includes a washing motor; a washing pulley connected to the washing motor by a belt, the washing pulley having a first shaft wherein a sun gear is formed at a front end of the first shaft; a plurality of planetary gears engaging with the sun gear; a first drum connected to a second shaft extending from a center of a rotational plate ganging shafts of the planetary gears; a dewatering motor; a dewatering pulley connected to the dewatering motor by a belt, the dewatering pulley having a first connecting part penetrated by the first shaft; a cylindrical inner gear case coupled to a front end of the first connecting part, to house the sun and planetary gears, the cylindrical inner gear case having teeth formed on an inner circumferential surface; a second connecting part extending from a central portion of the inner gear case to be penetrated by the second shaft; and a second drum coupled to a front end of the second connecting part.